January / February **(1)** . . . . . 1 – 66
March / April **(2)** . . . . . 67 – 134
May / June **(3)** . . . . . 135 – 238
July / August **(4)** . . . . . 239 – 278
September / October **(5)** . . . . . 279 – 340
November / December **(6)** . . . . . 341 – 404

## SUBJECT INDEX

Activating effect, development of silver halide emulsions, presence of transition metal complexes and micro-carrier, 125
AgBr/AgCl and AgBrAgI systems, phase boundaries, physical properties in photography, current-voltage behavior, 136
AgBr films, sulfur sensitization by $Ag_2S$ vapor deposition, preparation, growth and structure of $Ag_2S$ specks, 164
AgBr grains, measurements of drift mobility of electrons and holes in, time-of-flight technique, 293
Aggregate, orientation of polarized J-band, cubic AgCl and AgBr emulsion grains, 29
$Ag_2S$ specks, preparation, growth, and structure, sulfur sensitization of AgBr films by $Ag_2S$ vapor deposition, 164
$Ag_2S$ vapor deposition, sulfur sensitization of AgBr films, preparation, growth and structure of $Ag_2$ specks, 164
Ammonium dichromate, gelatin films, color filters, dyeing characteristics, 252
Anionic oxacarbocyanine, dye in solution, dimerization, J-aggregation thermodynamics, 274
Anodic partial process, development inhibition by slow down of, 59
Antifogging effect, coordination compounds of palladium (II), nitrogen-, oxygen- and sulfur-containing organic ligands in development, 169
Arrested development technique, change of distribution of development centers, delayed formation of latent image specks, 39
Atomic force microscopy, atomic structures, AgBr(001) surfaces, 290
Azomethine dyes, pyrazolotriazole, singlet oxygen reaction rates, triplet energies, 211
Band structures, check by current-voltage, phase boundaries of silver halide crystals, 136
Book review: Ritchie, F., In Our Own Image: The Coming Revolution in Photography, 206
Brittleness, gelatin layer, 87
Carboxylic acid charge additives, in liquid electrostatic toners, charging examination, 55
CCD, MTF measurements, interferometrically generated test pattern, 320
Charge, motion of surface, layered organic photoconductor, 231
Charge transport layers, disordered molecular solids, 79
Charging, liquid electrostatic developer, metal carboxylates, 326
Chelate complex, non-silver photographic images, from metallorganic complexes, 258
Chemical development, solution physical development, new electrochemical model, 279
Chemical sensitization, silver halide systems, electronic and ionic processes, 341
$^{13}C$-NMR spectra, characteristics of $\tau$-form metal-free phthalocyanine, improvement for organic photoreceptor use, 235
Color, electrophotography, developability of interposed imagewise charge, 365
Color balance, color and color infrared oblique aerial photography, in stress detection of citrus trees, 316
Color filter, ammonium-dichromated gelatin films, dyeing characteristics, 252
Color photography, spectral sensitivities, interimage effects, interrelation, 94
Color rendition, selective color control, in perceptual color space, 307
Color space conversion, selective color control, perceptual color space, 307
Computer simulation
  simultaneous diffusion of dye and heat, dye diffusion thermal transfer printing , application, 263
  high-resolution photoresist processing, 240
Conductivity, motion of surface charge, layered organic photoconductor, 231
Core-shell emulsion, latent image distribution, Sabattier effect and, 146
Coupling process, determination of rate constants, in photographic dye formation process, simple spectrophotometric procedure, 151
Cyanine dye, adsorption on cubic AgBr emulsion crystals, influence of iodide ions, 1
Delayed formation, latent image specks, behavior in presence of electron traps and halogen acceptors, 297
Densitometric measurements, color and color infrared oblique aerial photography, in stress detection of citrus trees, 316
Developed images, quality of halftone images, digital electrography, stochastic model, 44
Development
  coordination compounds of palladium (II), nitrogen-, oxygen- and sulfur-containing organic ligands, 169
  efficiency, toner surface-charge density, two-component development systems, 334
  magnetic resinous toner, micro-carrier, 119
Development centers, change of distribution, delayed formation of latent image specks, 39
Development inhibition, mechanism, 59
Development process, quantum size effects, 68
Diffuion, in swelling gelatin, 356
Dimerization, J-aggregation thermodynamics, anionic oxacarbocyanine dye in solution, 274
Dissolution, three-dimensional simulations, high-resolution photoresist processing, 240
Dot shape distortion, dot gain and, halftone printing, 158
Double structure crystal, core-shell emulsions, latent image distribution and Sabattier effect, 146
Drift mobility of electrons and holes, AgBr emulsion grains, measurement with time-of-flight technique, 293
D2T2, dye diffusion thermal transfer printing, simulation for simultaneous diffusion of dye and heat, application, 263
Dual component developer, magnetic resinous toner, micro-carrier, 119

Dye, ammonium-dichromated gelatin films, color filters, 252
Dye diffusion, thermal transfer printing, simulation for simultaneous diffusion of dye and heat , application, 263
Dye diffusion thermal transfer printing, simultaneous diffusion of dye and heat, simple simulation, evaluation, 49
Electrochemical model, chemical and solution physical development, 279
Electrode theory, chemical development, mechanism of development inhibition, 59
Electrographic masters, printing process, contrast with electrophotography, 377
Electron transport, disordered molecular solids, 79
Electron traps, halogen acceptors and, behavior of delayed formation of latent image specks, 297
Electrophotographic printer, plasma image bar, application, 330
Electrophotography
  color, developability of interposed imagewise charge, 365
  electrographic printing and electrographic masters, comparison, 377
  fixing polyester resin toners, rheology, 373
  toner surface-charge density, development efficiency in two-component development systems, 334
Energy threshold, photoconductive model for spectral sensitization, silver halides, 351
Epitaxy, individual J-aggregates, cubic AgCl and AgBr emulsion grains, 29
Flesh tint control, selective color control, perceptual color space, 307
$\tau$-Form, metal-free phthalocyanine characteristics, improvement for organic photoreceptor use, 235
Gelatin
  films for color filters, ammonium-dichromate, dyeing characteristics, 252
  swelling, diffusion in, 356
Gelatin layer, structure and brittleness, 87
Gelatin structure, oligomers and microgel, measurement of molecular weight distribution, 305
Gold decoration, atomic structures, AgBr(001) surfaces, 290
Gold latensification, detection of subimage center, silver halide emulsions, 129
Halftone dot, dot gain and shape distortion, printing, 158
Halftone images, digital electrography, stochastic model, 44
Halogen acceptors, electron traps and, behavior of delayed formation of latent image specks, 297
High contrast, tetrazolium compounds, silver halides, 202
Hologram formation, improved photopolymers, imaging properties, 19
  mechanism of hologram formation, 25
Hydrogen hypersensitization, high quantum sensitivity, mechanism, 219
Image processing, digital color, selective color control in perceptual color space, 307
Image sensor, MTF measurements, CCD arrays, 320
Ink evaporation, water-based, characterization, 189
Ink formulation, ink jet, waterfastness, 179
Ink-jet ink
  water-based
    characterization, 189
    formulation, 179
    performance studies, 195
Ink transfer, dot gain and shape distortion, halftone printing, 158
In Memoriam,
    Erik Moisar, 67
    Edwin Herbert Land, 135
    Abraham Bernard Cohen, 209
Interference pattern, MTF measurements, CCD array, 320
Interimage effects, spectral sensitivities and, 94
Interposed imagewise charge, developability, color electrophotography, 365
Iodide ions, influence on cyanine dye adsorption, on cubic AgBr emulsion crystals, 1
Ionic surfactant, in liquid electrostatic toners, charging examination, 55
J-Aggregate
  orientation, cubic AgCl and AgBr emulsion grains, 29
  thermodynamics, anionic oxacarbocyanine dye in solution, dimerization and, 274
Latent electrographic image density, distribution in halftone image, quality check, 44
Latent image, electronic and ionic processes, sensitized silver halide systems, 341
Latent image distribution, Sabattier effect and, in core-shell emulsions, 146
Latent image specks
  behavior of delayed formation, presence of electron traps and halogen acceptors, 297
  delayed formation, changed distribution of development centers, 39
Lattice defects, structures of luminescence centers, silver halide crystals, 176
Light latensification, to allow detection of subimage center, silver halide emulsions, 129
Light scattering, wavelength-dependent, study of silver bromide formation, 75
Liquid developer, electrostatic, charging with metal carboxylates, 326
Liquid electrostatic toners, with carboxylic acid charge additives, charging examination, 55
Luminescence, orientation measurement of J-band, on cubic AgCl and AgBr emulsion grains, 29
Luminescence centers, structures, silver halide crystals, 176
Magnetic toner, developer, micro-carrier, 119
Mathematical model
  color electrophotography, developability of interposed imagewise charge, 365
  diffusion in swelling gelatin, 356
Metal carboxylates, charging liquid electrostatic developer, 326
Metallorganic complex, non-silver photographic images from, 258
Micro carrier, developer, magnetic resinous toner, 119
Microlithography, optical, computer simulation, high-resolution photoresist, 240
Molecular weight distribution, gelatin solution, oligomers and microgel, 305
MTF measurements, of charge-coupled device, interferometrically generated test pattern, 320
Multi-printing, thermal transfer printing, study, 388
Multivariate data, parallel axes graphics techniques, analysis, 395
N-(4-azidobenzylidene)aniline-N-oxide, photolysis study, 14
Nitrogen-, oxygen- and sulfur-containing ligands, coordination compounds of palladium (II) and, development process, 169
Nitrogen-containing polydentate ligands, transition metal complexes and, development of silver halide emulsions, 125
Non-silver images, photographic, from metallorganic complexes, 258
Nucleation and growth model, latent image formation, mechanisms of hydrogen hypersensitization, 219
Oblique aerial photography, color and color infrared, stress detection of citrus trees, 316
Optical microscopy, orientation measurement of J-aggregates, cubic AgCl and AgBr emulsion grains, 29
Organic photoreceptor, $\tau$-form metal-free phthalocyanine characteristics, improvement for use as, 235
Palladium (II) complexes, coordination compounds, nitrogen-, oxygen- and sulfur-containing organic ligands in development process, 169
Parallel axes graphics, analysis of multivariate data, techniques, 395
Particles, silver bromide, formation, study by light scattering, 75
Persistent photoconductivity, electrographic printing, 377
Phase boundaries, AgBrAgCl and AgBrAgI systems, physical properties in photography, current—voltage behavior, 136
Phase transition, high temperature, silver iodide, 89

Photoaggregation theory, electronic and ionic processes, latent image formation, 341
Photoconduction, model for spectral sensitization, silver halides, 351
Photoconductor, layered organic, motion of surface charge, 231
Photodegradation, triplet energies and singlet oxygen reaction rates, pyrazolotriazole azomethine, 211
Photographic dye formation process, determination of rate constants of coupling process, homogeneous solution, simple spectrophotometric procedure, 151
Photographic materials, sensitometric curves, quantitative interpretation, 362
Photographic response, high temperature phase, silver iodide, 89
Photolysis
  electronic and ionic processes, latent image formation, 341
  N-(4-azidobenzylidene)aniline-N-oxide, study, 14
Photopolymers
  improved for holographic recording
    imaging properties, 19
    mechanism of hologram formation, 25
Photoresist, high resolution processing, three-dimensional computer simulation, 240
Physical dot gain, shape distortion and, halftone printing, 158
Plasma image bar, electrophotographic printer, application, 330
Polyester resin toners, fixing, electrophotography, rheology, 373
Polymers, molecularly doped, electron transport, 79
Printing, halftone, dot gain and shape distortion, 158
Quantum sensitivity, achievement with hydrogen hypersensitization, mechanism, 219
Quantum size, photographic development and, 68
Regression curves, sensitometry of photographic materials, quantitative interpretation, 362
Resolution
  dot gain and shape distortion, halftone printing, 158
  motion of surface charge, layered organic photoconductor, 231
Rheology, fixing polyester resin toners, 373
Sabattier effect, latent image distribution and, in core-shell emulsions, 146
Salt, brittleness of gelatin layers and, 87
SELF, development of silver halide emulsions, transition metal complexes and micro-carrier, 125
Sensitometric curves, photographic materials, quantitative interpretation, 362
Silver, measurement of chemical and solution physical developed, electrochemical model, 279
Silver bromide
  formation, wavelength-dependent light scattering, 75
  precipitation, modeling of twinning processes, 113
  surfaces, atomic structures, 290
  twinned crystals, formation and growth, 104
Silver bromide emulsion, subimage centers, criteria for detection, 129
Silver-halide complex, non-silver photographic images, from metallorganic complex, 258
Silver halides
  development, in presence of transition metal complexes, 125
  luminescence centers, structures, 176
  spectral sensitization, photoconductive model, 351
  tetrazolium compounds, high contrast effects, 202
Silver iodide, high temperature phase, photographic study of, 89
Simultaneous diffusion of dye and heat, Dye diffusion thermal transfer printing, simple simulation, evaluation, 49
Singlet oxygen, reaction rates, triplet energies, pyrazolotriazole azomethine dyes, 211
Solution physical development, chemical development, new electrochemical model, 279
Spectral sensitivities, interimage effects and, 94
Spectral sensitization, photoconductive model, silver halides, 351
Spectrophotometric procedure, determination of rate constants in coupling process, photographic dye formation process, 151
Squishing, mathematical model, in halftone printing, 158
Stress detection, citrus trees, color and color infrared oblique aerial photography, 316
Subimage centers, silver halide emulsions, criteria for detection, 129
Sulfur sensitization, $Ag_2S$ vapor deposition, preparation, growth, and structure of $Ag_2S$ specks, 164
Swelling, gelatin, diffusion in, 356
Tetrazolium compounds, high contrast effects, silver halide photography, 202
Thermal transfer printing, multi-printing process, study, 388
Thermodynamics, J-aggregation, anionic oxacarbocyanine dye in solution , dimerization and, 274
Time-of-flight technique, measurement of drift mobility of electrons and holes, AgBr emulsion grains, 293
Toner
  charging, metal carboxylates, 326
  surface-charge density, development efficiency in two-component development systems, 334
Toner concentration, developer with magnetic resinous toner, micro-carrier, 119
Transition metal complexes, silver halide emulsions, development, 125
Triboelectrification, magnetic resinous toner, and micro-carrier, developer, 119
Triplehelical content, lack in oligomers and microgel of gelatin solution, 305
Triplet energies, singlet oxygen reaction rates and, pyrazolotriazole azomethine dyes, 211
Twinned crystals, silver bromide, formation and growth, 104
Twinning process, silver bromide precipitation, 113
Water-based ink
  ink jet
    performance studies, 195
    waterfastness, 179, 189
Wavelength, multiple, light scattering, silver bromide formation, 75

## AUTHOR INDEX

**Abe, T.** *See* Maehashi, T., et al., 388
**Abiko, I.** *See* Tohyama, H., et al., 330
**Aebischer, J.-N.,** *See* Steiger R., et al, 1
**Amblard, J.** *See* Belloni, J., et al., 68
**Armstrong, M. K.** *See* Monroe B. M., et al., 19
**Barouch, E., B. Bradie, and H. A. Fowler**
  Three-Dimensional Simulations of High-Resolution Photoresist Processing, 240
**Bässler, H.** *See* Borsenberger, P. M., 79
**Belloni, J., M. Mostafavi, J. L. Marignier, and J. Amblard**
  Quantum Size Effects and Photographic Development, 68
**Bistrovich, T.** *See* Shiao, D. D. F., 279
**Blazquez, C. H.**
  Stress Detection of Citrus Trees with Color and Color Infrared Oblique Aerial Photography, 316
**Borsenberger, P. M. and H. Bässler**
  Electron Transport in Disordered Molecular Solids, 79

**Bradie, B.** *See* Barouch, E., et al., 240
**Buder, E.** *See* Hermel, H., et al., 305
**Bugner, D. E.**
A Review of Electrographic Printing, 377
**Burton, R. P.** *See* Magleby, E. J., et al., 395
**Chan, D. M. T.** *See* Monroe B. M., et al., 19
**Chen, I.**
Developability of Interposed Imagewise Charge in Color Electrophotography, 365
Stochastic Model of Halftone Images in Digital Electrography, 44
**Chiba, N.** *See* Endo, A., et al., 252
**Chung, T.** *See* Xie, B.-p., et al., 146
**Čik, G. and F. Šeršeň**
A Study of Photolysis of N-(4-Azidobenzylidene)aniline-N-oxide, 14
**Douglas, P., S. M. Townsend, and R. Ratcliffe**
Triplet Energies and Singlet Oxygen Reaction Rates of Pyrazolotriazole Azomethine Dyes, 211
**Eickmans, J.** *See* Krüger, T., et al., 59
**El-Sayed, L.** *See* Pearlstine, K., et al., 55
**Endo, A., S. Otera, N. Chiba, H. Saeki, S. Suzuki, and N. Tsubouchi**
Dyeing Characteristics of Ammonium-Dichromated Gelatin Films for Color Filters, 252
**Enokida, T., R. Hirohashi, and S. Mizukami**
Characteristics of γ-Form Metal-Free Phthalocyanine and Its Improvement for Organic Photoreceptor Use, 235
**Fowler, H. A.** *See* Barouch, E., et al., 240
**Furuya, H.** *See* Tohyama, H., et al., 330
**Gerth, G.** *See* Haefke, H., et al., 290
**Gokhale, V. V.** *See* Jagannathan, R., 113
**Granzer, F. and J. Lohmann**
In Memoriam: Erik Moisar, 67
**Granzer, F.** *See* Pischel, B., 136
**Grigoriyeva, I. O.** *See* Mikhailov, O. V., et al., 169
**Grinberg, M. and V. V. Krongauz**
Dot Gain and Shape Distortion in Halftone Printing, 158
**Güntherodt, H.-J.** *See* Haefke, H., et al., 290
**Habu, T., N. Mii, K. Kuge, H. Manto, and Y. Takamuki**
High Contrast Effects of Tetrazolium Compounds in Silver Halide Photography, 202
**Hada, H.** *See* Kawasaki, M., 129
**Haefke, H., E. Meyer, H.-J. Güntherodt, G. Gerth, and M. Krohn**
Atomic Structures of AgBr(001) Surfaces, 290
**Haefke, H., H. Hofmeister, M. Krohn, and A. Panov**
Sulfur Sensitization of AgBr Films by $Ag_2S$ Vapor Deposition. I. Preparation, Growth, and Structure of $Ag_2S$ Specks, 164
**Hailstone, R. K., N. B. Liebert, M. Levy, and J. F. Hamilton**
Achieving High Quantum Sensitivities with Hydrogen Hypersensitization. 2. Mechanism, 219
**Hamilton, J. F.** *See* Hailstone, R. K., et al., 219
**Harrington A. F.** *See* Monroe B. M., et al., 19
**Haselbach E.** *See* Steiger R., et al., 1
**Hayashi, Y.** *See* Yamamoto, H., et al., 119
**Herbrich, H.** *See* Hermel, H., et al., 305
**Hermel, A. Seeboth, B. Kersten, and H. B. Legutke**
Structure and Brittleness of Gelatin Layers, 87
**Hermel, H., H.-J. Wappler, R. Wetzel, E. Buder, H. Legutke, and H. Herbrich**
Do the Oligomers and the Microgel of Gelatin Have Triplehelical Domains?, 305
**Hill, S.** *See* Nedeljković, J., et al., 75
**Hirohashi, R.** *See* Enokida, T., et al., 235
**Hofmeister, H.** *See* Haefke, H., et al., 164
**Holtkamp, D.** *See* Krüger, T., et al., 59
**Jagannathan, R.**
Twinned Silver Bromide Crystals: Some Insights in Their Formation and Growth, 104
**Jagannathan, R. and V. V. Gokhale**
Modeling of Twinning Processes in Silver Bromide Precipitation, 113
**Johansson, S., Y. A. Lebedinsky, and K. G. Predko**
Experimental MTF Measurements of CCD Using an Interferometrically Generated Test Pattern, 320
**Kanamori, K. and H. Kotera**
A Method for Selective Color Control in Perceptual Color Space, 307
**Kaneda, T.**
Measurements of Drift Mobility of Electrons and Holes in AgBr Emulsion Grains with a Time-of-Flight Technique, 293
**Kaneko, A.**
A Simple Simulation for Simultaneous Diffusion of Dye and Heat in Dye Diffusion Thermal Transfer Printing. II. Application, 263
A Simple Simulation for Simultaneous Diffusion of Dye and Heat in Dye Diffusion Thermal Transfer Printing. I: Evaluation, 49
**Kang, H. R.**
Water-Based Ink-Jet Ink. III. Performance Studies, 195
Water-Based Ink-Jet Ink. II. Characterization, 189
Water-Based Ink-Jet Ink. I. Formulation, 179
**Kawanishi, T.** *See* Satoh, T., et al, 373
**Kawasaki, M. and H. Hada**
On the Criteria for Detecting Subimage Centers in Silver Bromide Emulsions, 129
**Keefe, G. E.** *See* Yarmchuk, E. J., 231
**Kersten, B.** *See* Hermel, H., et al., 87
**Keys, D. E.** *See* Monroe B. M., et al., 19
**King, P.**
Transitions, 210
**Kinjo N.** *See* Satoh, T., et al., 373
**Klein, I.** *See* Nickel, U., 151
**Kobayashi, K.** *See* Kuge, K., et al., 39
**Kobayashi, N.** *See* Yamazaki, T., et al., 334
**Kotera, H.** *See* Kanamori, K., 307
**Krebs, R. R.** *See* Monroe B. M., et al, 19
**Krohn, M.** *See* Haefke, H., et al., 164, 290
**Krongauz, V. V.** *See* Grinberg, M., 158
**Krüger, T., J. Eickmans, and D. Holtkamp**
On the Mechanism of Development Inhibition, 59
**Kuge, K., K. Kobayashi, and N. Mii**
Relation between the Delayed Formation and the Dispersion of Latent Image Specks, 39
**Kuge, K., T. Suzuki, and N. Mii**
Behavior of the Delayed Formation of Latent Image Specks in the Presence of Electron Traps and Halogen Acceptors, 297
**Kuge, K.** *See* Habu, T., et al., 202
**Kuroda, M.** *See* Yamamoto, H., et al., 119
**Lebedinsky, Y. A.** *See* Johansson, S., et al., 320
**Legutke, H.** *See* Hermel, H., et al., 87, 305
**Levy, M.** *See* Hailstone, R. K., et al., 219
**Liebert, N. B.** *See* Hailstone, R. K., et al., 219
**Lohmann, J.** *See* Franzer, F., 67
**Maehashi, T., S. Mano, and T. Abe**
Study of a Thermal Transfer Multiprinting Process, 388
**Magleby, E. J., R. P. Burton, and D. T. Scott**
Parallel Axes Graphics Techniques for the Analysis of Multivariate Data, 395
**Majer, J.** *See* Pytela, O, 362
**Mano, S.** *See* Maehashi, T., et al., 388
**Manto, H.** *See* Habu, T., et al., 202
**Marignier, J. L.** *See* Belloni, J., et al., 68
**Maskasky, J. E.**
A Photographic Study of the High Temperature Phase of Silver Iodide, 89
The Orientation of Individual J-Aggregates on Cubic AgCl and AgBr Emulsion Grains, 29
**Matsubara, T. and T. Tanaka**
Dimerization and J-Aggregation Thermodynamics of an Anionic Oxacarbocyanine Dye in Solution, 274
**Matsumura, T.-i.** *See* Yamamoto, H., et al., 119
**Meyer, E.** *See* Haefke, H., et al., 290
**Mickish, D. J. See Monroe B. M., et al., 19**
**Mii, N.** *See* Habu, T., et al., 202

**Mii, N.** *See* Kuge, K., et al., 39, 297
**Mikhailov, O. V., V. K. Polovnyak, and I. O. Grigoriyeva**
Coordination Compounds of Palladium (II) with Nitrogen-, Oxygen- and Sulfur-Containing Organic Ligands in Processes of Reduction of Silver Halides, 169
**Mikhailov, O. V. and V. K. Polovnyak**
Development of Silver Halide Emulsions in the Presence of Transition Metal Complexes, 125
Non-Silver Photographic Images Obtained from Metallorganic Complexes, 258
**Mitchell, J. W.**
Electronic and Ionic Processes in Sensitized Silver Halide Systems, 341
**Mizukami, S.** *See* Enokida, T., et al., 235
**Monroe, B. M.**
Improved Photopolymers for Holographic Recording. II. Mechanism of Hologram Formation, 25
**Monroe, B. M., W. K. Smothers, D. E. Keys, R. R. Krebs, D. J. Mickish, A. F. Harrington, S. R. Schicker, M. K. Armstrong, D. M. T. Chan, and C. I. Weathers**
Improved Photopolymers for Holographic Recording. I. Imaging Properties, 19
**Mostafavi, M.** *See* Belloni, J., et al., 68
**Nakanishi, T.** *See* Yamazaki, T., et al., 334
**Nedeljković, J., R. C. Patel, and S. Hill**
Formation of Silver Bromide in the Presence of Excess Bromide Studied by Wavelength-Dependent Light Scattering, 75
**Ng, K. C. and D. S. Ross**
Diffusion in Swelling Gelatin, 356
**Nickel, U. and I. Klein**
Some Investigations into the Photographic Dye Formation Process. I. A Simple Spectrophotometric Procedure for the Determination of the Rate Constants of the Coupling Process in Homogeneous Solution, 151
**Nihei, K.** *See* Tohyama, H., et al., 330
**Ohta, N.**
Interrelation between Spectral Sensitivities and Interimage Effects, 94
**Otera, S.** *See* Endo, A., et al., 252
**Page, L.** *See* Pearlstine, K., et al., 55
**Panov, A.** *See* Haefke, H., et al., 164
**Patel, R. C.** *See* Nedeljković, J., et al., 75
**Pearlstine, K., L. Page, and L. El-Sayed**
Mechanism of Electric Charging of Toner Particles in Nonaqueous Liquid with Carboxylic Acid Charge Additives, 55
**Pearlstine, K. A.**
Charging of Liquid Electrostatic Developer with Metal Carboxylates, 326
**Pischel, B. and F. Granzer**
Physical Properties of Phase Boundaries in Silver Halide Crystals in Relation to Photography. II. The Current—Voltage Behavior of Phase Boundaries in Silver Halides, 136
**Polovnyak, V. K.** *See* Mikhailov, O. V., 125, 258
**Polovnyak, V. K.** *See* Mikhailov, O. V., et al., 169
**Predko, K. G.** *See* Johansson, S., et al., 320
**Pytela, O. and J. Majer**
Quantitative Interpretation of Sensitometric Curves of Photographic Materials, 362
**Ratcliffe, R.**
**Rogers, H. G.**
In Memoriam: Edwin Herbert Land, 135
**Ross, D. S.** *See* Ng, K. C., 356
**Saeki, H.** *See* Endo, A., et al., 252
**Satoh, T., T. Kawanishi, R. Shimizu, and N. Kinjo**
Rheological Study oon Fixing Polyester Resin Toners, 373
**Sawai, H.** *See* Tohyama, H., et al., 330
**Schicker S. R.** *See* Monroe B. M., et al., 19
**Scott, D. T.** *See* Magleby, E. J., et al., 395
**Seeboth, A.** *See* Hermel, H., et al., 87
**Šeršeň, F.,** *See* Čik, G., 14
**Shiao, D. D. F. and T. Bistrovich**
A New Electrochemical Model Featuring Both Chemical and Solution Physical Development, 279
**Shibata, S.** *See* Tohyama, H., et al., 330
**Shimizu, R.** *See* Satoh, T., et al., 373
**Si-yong, Z.** *See* Bo-ping, X., et al., 146
**Smothers, W. K.** *See* Monroe B. M., et al., 19
**Sonoike S.**
The Structures of Luminescence Centers in Silver Halide Crystals, 176
**Spitler, M. T.**
Photoconductive Model for the Spectral Sensitization of Silver Halides, 351
**Steiger, R., J.-N. Aebischer, and E. Haselbach**
Influence of Iodide Ions on the Adsorption of a Cyanine Dye on Cubic AgBr Emulsion Crystals, 1
**Suzuki, S.** *See* Endo, A., et al., 252
**Suzuki, T.** *See* Kuge, K., et al., 297
**Takahashi, S.** *See* Yamazaki, T., et al., 334
**Takamuki, Y.** *See* Habu, T., et al., 202
**Takashima, Y.** *See* Yamamoto, H., et al., 119
**Tanaka, T.** *See* Matsubara, T., 274
**Tohyama, H., H. Furuya, H. Sawai, S. Shibata, K. Tsuji, I. Abiko, and K. Nihei**
A Plasma Image Bar for an Electrophotographic Printer, 330
**Townsend, S. M.** *See* Douglas, P., 211
**Tsubouchi, N.** *See* Endo, A., et al., 252
**Tsuji, K.** *See* Tohyama, H., et al., 330
**Walker, P.**
In Memoriam: Abraham Bernard Cohen, 209
**Wappler, H.-J.** *See* Hermel, H., et al., 305
**Weathers, C. I.** *See* Monroe B. M., et al., 19
**Wetzel, R.** *See* Hermel, H., et al., 305
**Xie, B.-p., Zuang, S.-y., Tao, C., and Ren, X.-m.**
Latent Image Distribution and the Sabattier Effect in Core-Shell Emulsions, 146
**Xin-min, R.** *See* Bo-ping, X., et al., 146
**Yamamoto, H., Y. Takashima, T.-i. Matsumura, M. Kuroda, and Y. Hayashi**
Developer with Magnetic Resinous Toner and Micro-Carrier, 119
**Yamazaki, T., S. Takahashi, N. Kobayashi, and T. Nakanishi**
Toner Surface-Charge Density and Development Efficiency in Two-Component Development Systems, 334
**Yarmchuk, E. J. and G. E. Keefe**
Motion of Surface Charge on Layered Organic Photoconductor, 231